

Title (en)

A DIRECT SMELTING PROCESS AND APPARATUS

Title (de)

DIREKTSCHMELZVERFAHREN UND -VORRICHTUNG

Title (fr)

PROCEDE ET APPAREIL DE FUSION DIRECTE

Publication

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Application

EP 99932559 A 19990726

Priority

- AU 9900599 W 19990726
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Abstract (en)

[origin: WO0006782A1] A process for direct smelting a metalliferous feed material is disclosed. Char and fuel gas are produced by pre-treating coal with an oxygen-containing gas. The fuel gas is used to heat an oxygen-containing gas and/or to produce an oxygen-containing gas in an oxygen plant. Metalliferous feed material, char, and the oxygen-containing gas are injected into a direct smelting vessel, and the metalliferous feed material is smelted to molten metal in the direct smelting vessel using the char as a source of energy and as a reductant.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [A] WO 9717473 A1 19970515 - TECH RESOURCES PTY LTD [AU], et al
- See references of WO 0006782A1

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